

RECEIVED

MAR 0 8 2002



TECH CENTER 1600/2900

RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/09/724,392

TIME: 15:03:50

Input Set : N:\Crf3\RULE60\09724392.txt Output Set: N:\CRF3\03042002\I724392.raw

4 <110> APPLICANT: Moore, K. 5 Nagle, D. Woolf, E. 8 <120> TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR 11 <130> FILE REFERENCE: 7853-119 13 <140> CURRENT APPLICATION NUMBER: 09/724,392 14 <141> CURRENT FILING DATE: 2000-11-28 16 <150> PRIOR APPLICATION NUMBER: 09/062,753 ENTERED 17 <151> PRIOR FILING DATE: 1998-04-17 19 <150> PRIOR APPLICATION NUMBER: 08/833,226 20 <151> PRIOR FILING DATE: 1997-04-17 22 <160> NUMBER OF SEQ ID NOS: 8 24 <170> SOFTWARE: FastSEQ for Windows Version 3.0 26 <210> SEQ ID NO: 1 27 <211> LENGTH: 4052 28 <212> TYPE: DNA 29 <213> ORGANISM: Homo sapiens 31 <220> FEATURE: 32 <221> NAME/KEY: CDS 33 <222> LOCATION: (45)...(1196) 35 <400> SEQUENCE: 1 ageogragag egeacagaaa ggaggegeeg agacagacat cace atg gea gee eag 56 37 Met Ala Ala Gln 38 1 40 aat gga aac acc agt ttc aca ccc aac ttt aat cca ccc caa gac cat 104 41 Asn Gly Asn Thr Ser Phe Thr Pro Asn Phe Asn Pro Pro Gln Asp His 42 15 10 44 gee tee tee etc tee ttt aac tte agt tat ggt gat tat gae etc eet 152 45 Ala Ser Ser Leu Ser Phe Asn Phe Ser Tyr Gly Asp Tyr Asp Leu Pro 46 25 30 48 200 atg gat gag gat gag gac atg acc aag acc cgg acc ttc ttc gca gcc 49 Met Asp Glu Asp Glu Asp Met Thr Lys Thr Arg Thr Phe Phe Ala Ala 50 40 52 aag atc gtc att ggc att gca ctg gca ggc atc atg ctg gtc tgc ggc 248 Lys Ile Val Ile Gly Ile Ala Leu Ala Gly Ile Met Leu Val Cys Gly 53 54 56 296 ate ggt aac ttt gtc ttt ate get gec etc ace ege tat aag aag ttg 57 Ile Gly Asn Phe Val Phe Ile Ala Ala Leu Thr Arg Tyr Lys Lys Leu 58 61 cgc aac ctc acc aat ctg ctc att gcc aac ctg gcc atc tcc gac ttc 344 62 Arg Asn Leu Thr Asn Leu Leu Ile Ala Asn Leu Ala Ile Ser Asp Phe 63 90 95 100

ctg gtg gcc atc atc tgc tgc ccc ttc gag atg gac tac tac gtg gta

392

| 66 | Leu | Val | Ala | Tle | Tle | Cvs | Cvs | Pro | Phe | Glu | Met | Asp | Tvr | Tvr | Va l | Va l | |
|----------|-----|-------|----------------|-------|-----|-----|-----|-------|-----|-------|-------|-------|-------|----------------|-------|------|------|
| 67 | | | | | 105 | -1- | -1- | | | 110 | | | | -1- | 115 | , | |
| 69 | cgq | cag | ctc | tcc | tgg | gag | cat | ggc | cac | gtg | ctc | tqt | qcc | tcc | gtc | aac | 440 |
| 70 | | _ | Leu | | | | | | | | | _ | - | | - | | |
| 71 | _ | | | 120 | _ | | | _ | 125 | | | - | | 130 | | | |
| 73 | tac | ctg | cgc | acc | gtc | tcc | ctc | tac | gtc | tcc | acc | aat | gcc | ttg | ctg | gcc | 488 |
| 74 | | | Arg | | | | | | | | | | | | | | |
| 75 | | | 135 | | | | | 140 | | | | | 145 | | | | |
| 77 | att | gcc | att | gac | aga | tat | ctc | gcc | atc | gtt | cac | ccc | ttg | aaa | cca | cgg | 536 |
| 78 | Ile | Ala | Ile | Asp | Arg | Tyr | Leu | Ala | Ile | Val | His | Pro | Leu | Lys | Pro | Arg | |
| 79 | | 150 | | | | | 155 | | | | | 160 | | | | | |
| 81 | _ | | tat | | _ | - | | | _ | | - | _ | - | | _ | | 584 |
| 82 | | Asn | \mathtt{Tyr} | Gln | | | Ser | Phe | Leu | Ile | | Leu | Val | \mathtt{Trp} | Met | Val | |
| 83 | 165 | | | | | 170 | | | | | 175 | | | | | 180 | |
| 85 | | | ctc | | - | | | _ | _ | | | _ | | - | | - | 632 |
| 86 | Ser | Ile | Leu | Ile | | Ile | Pro | Ser | Ala | _ | Phe | Ala | Thr | Glu | | Val | |
| 87 | | | | | 185 | | | | | 190 | | | | | 195 | | 500 |
| 89 | | | att | | | | | | | | | | | | | | 680 |
| 90 | Leu | Phe | Ile | | Lys | Ser | GIn | GIu | _ | IIe | Phe | Cys | GLY | | Пе | Trp | |
| 91 | | | | 200 | | | | | 205 | | | | | 210 | | | 700 |
| 93 | | | gat | _ | _ | | | | - | | | | | | | | 728 |
| 94 | Pro | vaı | Asp | GIN | GII | rea | туг | 220 | гĀЗ | ser | туг | Pne | | Pne | тте | Pne | |
| 95 97 | aat | at a | 215 | ++0 | a+a | ~~~ | aa+ | | a+a | 200 | 2+4 | 200 | 225 | + 00 | + = + | aaa | 776 |
| 98 | | | gag Glu | | | | | | | | | | | | | | 770 |
| 99 | GLY | 230 | GIU | FIIC | Val | GIY | 235 | vai | VUL | 1111 | Hec | 240 | пец | Cys | 111 | niu | |
| 101 | agg | | too | י רמם | σασ | cto | | ttc | aad | r aca | ato | | . aaa | ttc | cad | acg | 824 |
| 102 | | | | | | | | | | | | | | | | Thr | 021 |
| 103 | 245 | | | 9 | | 250 | _ | | -1- | | 255 | | 1 | | | 260 | |
| 105 | | | att | cac | aaq | | | cqc | tqc | cqc | aqq | aac | acq | gto | ctq | gtg | 872 |
| 106 | | - | • | _ | _ | | _ | _ | _ | _ | | _ | _ | _ | _ | val | |
| 107 | | | | _ | 265 | _ | | | - | 270 | _ | _ | | | 275 | | |
| 109 | ctc | ato | , tgc | att | ctc | acg | gcc | tat | gtg | ctg | , tgc | tgg: | g gca | ccc | ttc | tac | 920 |
| 110 | Leu | Met | . Cys | Ile | Leu | Thr | Ala | Tyr | Val | . Leu | ı Cys | Trp | Ala | Pro | Phe | Tyr | |
| 111 | | | | 280 | | | | | 285 | i | | | | 290 | 1 | | |
| 113 | ggt | tto | acc | ato | gtt | cgt | gac | ttc | ttc | ccc | act | gtg | , ttc | gtg | aag | gaa | 968 |
| 114 | Gly | Phe | Thr | : Ile | Val | Arg | Asp | Phe | Phe | Pro | Thr | · Val | . Phe | val | Lys | Glu | |
| 115 | | | 295 | | | | | 300 | | | | | 305 | | | | |
| 118 | aag | cac | tac | cto | act | gcc | tto | tac | gtg | gto | gag | , tgc | ato | gcc | atg | agc | 1016 |
| 119 | Lys | | _ | Leu | Thr | Ala | | _ | Val | . Val | . Glu | _ | | . Ala | Met | Ser | |
| 120 | | 310 | | | | | 315 | | | | | 320 | | | | | |
| 122 | | | | | | | | | | | | | | | | acc | 1064 |
| 123 | | | : Met | : Ile | Asn | | | Cys | Phe | val | | | . Lys | Asn | Asn | Thr | |
| 124 | 325 | | | | _ | 330 | | | | | 335 | | | | | 340 | 4446 |
| 126 | | | | | | | | | | | | | | | | cag | 1112 |
| 127 | мet | . гуз | з туг | . hue | - | _ | Met | _ met | Leu | | | a urp | Arg | Pro | | Gln | |
| 128 | 0.5 | | | | 345 | | ~~+ | | | 350 | | | | | 355 | | 1160 |
| 130 | | | | | | | | | | | | | | | | gtg | 1160 |
| 131 | Arg | GT. | sei | ьys | ser | ser | нта | ASP | ьeu | LASE | ьeu | HIG | LIII | ASI | . сту | val | |

| 132 | | 360 | | 365 | 370 | | | | | |
|-----|-------------|-------------|------------|--------------|-----------------------|------|--|--|--|--|
| 134 | ccc acc acc | a gaa gaa g | tg gac tgt | atc agg ctg | aag tgacccactg | 1206 | | | | |
| 135 | Pro Thr Th | r Glu Glu V | al Asp Cys | Ile Arg Leu | Lys | | | | | |
| 136 | 37 | 5 | 380 | | | | | | | |
| 138 | gtgtcacaca | attgaaaacc | ccagtccagt | : actcagagca | tcacccacca tcaaccaagt | 1266 | | | | |
| 139 | tcataggctg | catgggaaat | gacatctgtg | , ttcatgcctc | ccccgtgccc tcaagaagcc | 1326 | | | | |
| 140 | gaatgctgca | aagtcgtaac | atacaatgag | actagacatg | aaccaaatca gctgacattt | 1386 | | | | |
| 141 | actgatatcc | gctcgacacc | tactgtgtcc | acaatcccca | caaggagatt agacacaagg | 1446 | | | | |
| 142 | agcagcaact | gacatggact | gaacatgtac | tgtgtgcaaa | ccacaccaat gagattagac | 1506 | | | | |
| 143 | ggggacagca | ggagctgaca | tttactcttc | acctactgta | atcaaaaaca cttgatttga | 1566 | | | | |
| 144 | ttacaatcaa | aaacatataa | aaaacataac | aaagtagcag | aagctattgg agtttccaag | 1626 | | | | |
| 145 | ctatctccag | atatatagat | agttcaccct | ccatcttccc | taattctgta tcttaccagt | 1686 | | | | |
| 146 | gcaggaatat | caaaaggcta | taggccaggc | atgatggctc | atgcctgtaa tcccagcact | 1746 | | | | |
| 147 | tggggaggct | gaggcacgtg | gatcacttga | ggtcaggagt | tcaacccagg ctggccaaca | 1806 | | | | |
| 148 | tggtgaaacc | ctgtctctac | taaaaataca | aaattagcta | ggcgtggtgg cgggcgcctg | 1866 | | | | |
| 149 | taatcccagt | tactcaggag | gctgaagcag | gagaatagct | tgaacctggg agttggagtt | 1926 | | | | |
| 150 | tgcagtgagc | tgagattgct | ccactgcact | ccagcctgag | tgacagagtg agactctgtc | 1986 | | | | |
| 151 | tcaggaaaaa | aacaaacaaa | caaacaacaa | aacaacaaca | acaacaacaa caaccaacgg | 2046 | | | | |
| 152 | ctatagaaga | agactcttcg | acacaatgga | aatgtaacga | taagtttgtc agtgcgtggt | 2106 | | | | |
| 153 | ttacagcatc | atgggaggtg | cgttacagco | atcatactga | actttcccac ccacctccta | 2166 | | | | |
| 154 | ctgcctccca | gggcattctc | taggattttg | gcttcaagaa | aaaaaaaatt cttatagtca | 2226 | | | | |
| 155 | gcccagcctt | atgtggttat | ccacaatggt | gtaatttcaa | aggaaagaac ctaaaaatca | 2286 | | | | |
| 156 | ctttcccact | gatgcttgaa | agcttatcat | . tttatttggg | tggagatggg taatcctgag | 2346 | | | | |
| 157 | gtgtcaattt | ttgcctcctc | agtgcaaagg | atttcagtgg | ctctggggtc agggggaaag | 2406 | | | | |
| 158 | aggacagaga | aaaaagtgga | ggttgccact | ggcaatgaac | ataatctctg tgggcatttt | 2466 | | | | |
| 159 | gctaaggact | ggaccacttt | ctagaacact | ccctcttta | caaaaggaac tctacctaga | 2526 | | | | |
| 160 | atccaaagac | ctgggttcag | gtcctaactc | taagactcaa | gtcctaaatt catgatgttt | 2586 | | | | |
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| 162 | taccttgcaa | gactgttggg | agagcccatt | gaggccatgg | tttgtgaatg tgcttttcaa | 2706 | | | | |
| 163 | ctgtgcacac | gataagaatg | gagaagtgat | attgaacagt | ttatttggag ggagtttatt | 2766 | | | | |
| 164 | tggaaacccc | atccactgtg | atttattaga | gaaataccca | cactttttca tccctgttct | 2826 | | | | |
| 165 | ttggatgaaa | gactcctgaa | gacttcacag | tgtaccttgt | ctacagtggg ccaaaaaggg | 2886 | | | | |
| 166 | atccctgttc | ttggttataa | tctgggaaat | ttaacctcag | attctcagtg accccaagac | 2946 | | | | |
| 167 | tctcagcatc | cctgcggtct | tagaagtgtt | gacagtette | cctgcatgtt gcaaaatagc | 3006 | | | | |
| 168 | accctagtgc | tgcataaata | tcacttctga | atctgtttgt | attattatac atttgtggta | 3066 | | | | |
| 169 | actgtaggta | cacgtcttca | tttcttcttg | attcattttg | atgtggtagc tatgcaaatg | 3126 | | | | |
| 170 | | | | | cctaattttt tatagacaag | 3186 | | | | |
| 171 | gaattaattg | tttgcttgtt | tgattgtttc | : tattatttgt | tgatttgttt ctctgactga | 3246 | | | | |
| 172 | agtttcaacc | aatgtttctt | tctatcacca | cccagcagac | tcaccttcag cccaatcatt | 3306 | | | | |
| 173 | gtactctcag | aaaatgcagg | ccggcatggt | ggctcacatc | tgtaatccca gcacttcggg | 3366 | | | | |
| 174 | aggccaagat | gggcagatca | cctgaggtca | ggagttcaag | accageetgg ccaacatgge | 3426 | | | | |
| 175 | | | | | ggtggcacat gcctgtggtc | 3486 | | | | |
| 176 | - | | | | cccagaggca gaggttgcag | 3546 | | | | |
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| 178 | | | | _ | ctaagcaaaa ctgttaattc | 3666 | | | | |
| 179 | | | | | ttgtgtaata atgcatttca | 3726 | | | | |
| 180 | | | | | taaatataat aattgtattt | 3786 | | | | |
| 181 | | _ | - | | attctttagg aatggaccat | 3846 | | | | |
| 182 | gtaccagtca | agtctgtcag | caggattcat | caccctgttc | ctttttgtcc tagaatatac | 3906 | | | | |
| | | | | | | | | | | |

| | gattttccag tgattaaagt gtgatgttgt tatccaa | | | | | | | | | | 3966 4026 4052 | | | | | | |
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| | <213 | | | | OMOH | sap | iens | | | | | | | | | | |
| | <400 | | | | | July . | | | | | | | | | | | |
| 193 | | | | | | Glv | Asn | Thr | Ser | Phe | Thr | Pro | Asn | Phe | Asn | Pro | |
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| 195 | | Gln | Asp | His | Ala | Ser | Ser | Leu | Ser | | Asn | Phe | Ser | Tvr | Gly | Asp | |
| 196 | | 5 | | 20 | | | | | 25 | | | | | 30 | | | |
| 197 | Tyr | Asp | Leu | Pro | Met | Asp | Glu | Asp | Glu | Asp | Met | Thr | Lys | Thr | Arg | Thr | |
| 198 | • | - | 35 | | | • | | 40 | | - | | | 45 | | • | | |
| 199 | Phe | Phe | Ala | Ala | Lys | Ile | Val | Ile | Gly | Ile | Ala | Leu | Ala | Gly | Ile | Met | |
| 200 | | 50 | | | - | | 55 | | - | | | 60 | | _ | | | |
| 201 | Leu | Val | Cys | Gly | Ile | Gly | Asn | Phe | Val | Phe | Ile | Ala | Ala | Leu | Thr | Arg | |
| 202 | 65 | | - | - | | 70 | | | | | 75 | | | | | 80 | |
| 203 | Tyr | Lys | Lys | Leu | Arg | Asn | Leu | Thr | Asn | Leu | Leu | Ile | Ala | Asn | Leu | Ala | |
| 204 | - | • | • | | 85 | | | | | 90 | | | | | 95 | | |
| 205 | Ile | Ser | Asp | Phe | Leu | Val | Ala | Ile | Ile | Cys | Cys | Pro | Phe | Glu | Met | Asp | |
| 206 | | | _ | 100 | | | | | 105 | | | | | 110 | | | |
| 207 | ·Tyr | Tyr | Val | Val | Arg | Gln | Leu | Ser | Trp | Glu | His | Gly | His | Val | Leu | Cys | |
| 208 | | | 115 | | | | | 120 | | | | | 125 | | | | |
| 209 | Ala | Ser | Val | Asn | Tyr | Leu | Arg | Thr | Val | Ser | Leu | Tyr | Val | Ser | Thr | Asn | |
| 210 | | 130 | | | | | 135 | | | | | 140 | | | | | |
| 211 | Ala | Leu | Leu | Ala | Ile | Ala | Ile | Asp | Arg | Tyr | Leu | Ala | Ile | Val | His | Pro | |
| 212 | 145 | | | | | 150 | | | | | 155 | | | | | 160 | |
| 213 | Leu | Lys | Pro | Arg | Met | Asn | Tyr | Gln | Thr | Ala | Ser | Phe | Leu | Ile | Ala | Leu | |
| 214 | | | | | 165 | | | | | 170 | | | | | 175 | | |
| 215 | Val | \mathtt{Trp} | Met | | Ser | Ile | Leu | Ile | Ala | Ile | Pro | Ser | Ala | \mathtt{Tyr} | Phe | Ala | |
| 216 | | | | 180 | | | | | 185 | | | | | 190 | | | |
| 217 | Thr | Glu | | Val | Leu | Phe | Ile | | Lys | Ser | Gln | Glu | _ | Ile | Phe | Cys | |
| 218 | | | 195 | | | | | 200 | | | | | 205 | | | _ | |
| 219 | Gly | | Ile | Trp | Pro | Val | _ | Gln | Gln | Leu | Tyr | _ | Lys | Ser | Tyr | Phe | |
| 220 | | 210 | | _ | | _ | 215 | _ | _ | _ | | 220 | | _ | | | |
| 221 | | Phe | Ile | Phe | Gly | | Glu | Phe | Val | Gly | | Val | Val | Thr | Met | | |
| 222 | 225 | | | _ | | 230 | | | | | 235 | | | | • | 240 | |
| 223 | Leu | Cys | Tyr | Ala | | Ile | Ser | Arg | Glu | | Trp | Phe | Lys | Ala | Val | Pro | |
| 224 | | | | _ | 245 | | | _ | _ | 250 | | _ | _ | | 255 | _ | |
| 225 | Gly | Phe | Gln | | Glu | Gln | Ile | Arg | | Arg | Leu | Arg | Cys | | Arg | Lys | |
| 226 | | • | | 260 | _ | | _ | | 265 | _, | | _ | | 270 | _ | _ | |
| 227 | Thr | Val | | Val | Leu | Met | Cys | | Leu | Thr | Ата | Tyr | | Leu | Cys | Trp | |
| 228 | | _ | 275 | _ | | _, | | 280 | | _ | _ | _, | 285 | _ | 1 | | |
| 229 | Ala | | Phe | Tyr | GTA | Phe | | IТЕ | val | Arg | Asp | | Phe | Pro | Thr | vaı | |
| 230 | | 290 | - | a 3 | T | *** | 295 | . | m³ - | 3 7. | D.1 | 300 | 17.a 7 | TT 7 | 03. | Q c | |
| 231 | | val | гĀг | Glu | гàг | | туr | ьeu | Thr | АТа | | туг | val | val | Glu | | |
| 232 | 305 | | 17 - 4 | G | 3 | 310 | 14 - ± | - 1. | . | m1 | 315 | G | D1 | 37 7 | m1 | 320 | |
| 234 | тте | АТа | мет | ser | ASN | ser | met | тте | ASN | ınr | val | cys | ьиe | val | Thr | val | |

| 235 | | | | | 325 | | | | | 330 | | | | | 335 | | |
|-----|--|------|----------|-------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------------|-------|--------|-----|
| 236 | Lys i | λan | λan | Thr | | Tvc | Футъ | Dho | Tara | | Mo+ | Mot | Tou | Lou | | Пrn | |
| 237 | цу5 / | ASII | ASII | 340 | Met | гуз | ıyı | FIIE | 345 | гуу | Mec | мес | ьец | 350 | птэ | 11p | |
| 238 | 7 ~~ | D×o | C0~ | | λνα | C1** | Cor | T 170 | | Cor | λla |) an | Tou | | T 011 | λrσ | |
| 239 | Arg | PIO | 355 | GIII | AIG | СТУ | ser | 360 | ser | ser | нта | ASP | 365 | ASP | ьеu | AIG | |
| | mh ss | N | | 370] | Dwa | mh | mhw | | ~1 | 370 1 | 7 ~~ | O | | 7 | T 011 | T | |
| 240 | Thr | | GIY | Val | Pro | THE | | GIU | GIU | Val | ASP | _ | тте | Arg | ьeu | гля | |
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| 256 | cctg | cact | ca d | ctgad | cccc | ag ca | agaag | gtgci | t gaa | actco | cacg | tgag | gegea | atc 1 | tecet | tgatac | 240 |
| 257 | acac | cago | ccc a | acct | gtago | ca to | catca | aac a | atg 🤉 | gga d | ccc (| cag a | aac a | aga a | aac a | act | 292 |
| 258 | | | | | | | | 1 | Met (| Gly I | Pro (| 3ln A | Asn A | Arg A | Asn : | ľhr | |
| 259 | | | | | | | | | 1 | | | | 5 | , | | | |
| 261 | agc 1 | ttt | gca | cca | gac | ttg | aat | cca | ccc | caa | gac | cat | gtc | tcc | tta | aac | 340 |
| 262 | Ser | Phe | Ala | Pro | Asp | Leu | Asn | Pro | Pro | Gln | Asp | His | Val | Ser | Leu | Asn | |
| 263 | | 10 | | | | | 15 | | | | _ | 20 | | | | | |
| 265 | tac a | agt | tat | ggt | gat | tat | gac | ctc | ccc | ctg | ggt | gag | gat | gag | gat | gtg | 388 |
| 266 | Tyr : | | | | | | | | | | | | | | | | |
| 267 | 25 | | • | • | • | 30 | - | | | | 35 | | - | | - | 40 | |
| 269 | acc a | aaq | aca | caq | acc | ttc | ttt | qca | qcc | aaa | att | qtc | att | qqc | gtg | qca | 436 |
| 270 | Thr 1 | | | | | | | | | | | | | | | | |
| 271 | | - | | | 45 | | | | | 50 | | | | - | 55 | | |
| 273 | ctg | σca | aac | atc | atg | cta | atc | tac | aac | att | aac | aac | ttt | atc | ttc | att | 484 |
| 274 | Leu | - | | | _ | - | - | - | | | | | | _ | | | |
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| 278 | Ala | - | | - | _ | | _ | _ | - | - | | | | | | | |
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| 282 | Ile | | | | | | | | | | | | | | | | 300 |
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| 285 | ccc 1 | | αaα | atα | a a a | tat | | αta | αta | caa | car | | too | taa | aca | cat | 628 |
| 286 | Pro | | | _ | _ | | | - | _ | | - | | | | | | 020 |
| 287 | 105 | PILE | Gru | Mec | ASP | 110 | TÄT | Val | Val | AIG | 115 | Leu | 261 | 115 | АТа | 120 | |
| | | ~~~ | ~+~ | a++ | +~+ | | + 00 | at a | 224 | + | | aat | 200 | a+ a | + | | 676 |
| 289 | ggt | | | | | | | | | | | | | | | | 676 |
| 290 | Gly 1 | nıs | Vdl | ьeu | - | ATG | ser | ٧dl | ASII | _ | ьeu | arg | Inr | val | | пец | |
| 291 | . | | . | | 125 | | _+- | | | 130 | | | | | 135 | | 704 |
| 293 | tac | | | | | | | | | | | | | | | | 724 |
| 294 | Tyr ' | val | ser | | Asn | АТа | ьeu | ьeu | | тте | Ala | тте | Asp | _ | Tyr | ьeu | |
| 295 | | | | 140 | | | | | 145 | | | | | 150 | | | |

VERIFICATION SUMMARY

DATE: 03/04/2002

PATENT APPLICATION: US/09/724,392

TIME: 15:03:51